

The Department of Natural Resources (DNR) recommends the use of this form for inspections of well and pressure systems. DNR also recommends that inspections be performed by licensed well drillers or pump installers. Use of this form does not imply DNR approval of the well and pressure system. After the pressure tank DILHR (Department of Industry, Labor and Human Relations) plumbing rules apply. Inspection fees may vary.

| | |
|-------------------------|------------------|
| Inspection Requested By | Telephone Number |
| Mailing Address | |
| City, State, Zip Code | |
| Owner's Name | Telephone Number |
| Mailing Address | |
| City, State, Zip Code | |

County of Water System Location

Grid or Street Address or Road Name and Number (if available)

| | | | | |
|--------|----------------------------------|---------------------------------------|------------------------------|---------------------------------|
| Source | <input type="checkbox"/> Drilled | <input type="checkbox"/> Driven Point | <input type="checkbox"/> Dug | <input type="checkbox"/> Spring |
| | <input type="checkbox"/> Jetted | <input type="checkbox"/> Other _____ | | |

Well serves _____ # of homes and/or _____
(Ex. barn, restaurant, church, school, industry, etc.)

Gov't Lot # _____ or _____ 1/4 of _____ 1/4
of Section _____; T _____ N: R _____ ☐ E ☐ V

| | | |
|---------------------------|--|--|
| Wisconsin Unique Well No. | High Capacity Well? | High Capacity Property? |
| _____ | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No |

| | | | | |
|-------|---|---|----------------|-------------------------------|
| From: | <input type="checkbox"/> Well Construction Report | <input type="checkbox"/> Pump Installer | Constructed By | Approx. Year Well Constructed |
| | <input type="checkbox"/> Owner's Memory | <input type="checkbox"/> Measurement | | |

Well Location:

☐ Outside ☐ In Basement ☐ In Pit/Alcove ☐ In Crawl Space ☐ In Building ☐ In Pumphouse

| | | | | | | |
|-----------------------------------|---|--|-----------------|--------------------------------|------------|----------------------------------|
| Casing Diameter _____ (inches) | Well Terminates <input type="checkbox"/> Above _____ (inches) <input type="checkbox"/> Below the | <input type="checkbox"/> Floor <input type="checkbox"/> Outside Grade | Casing Material | Well Depth (ft.) (If known) | Well Yield | Casing Depth (ft.) (If known) |
|-----------------------------------|---|--|-----------------|--------------------------------|------------|----------------------------------|

| | | | | | | |
|--|---|--|--------------------------|---|--|--|
| Well Located In Floodplain? | Well Properly Separated From Contamination Sources: | | | | | |
| <input type="checkbox"/> Yes <input type="checkbox"/> No | On Well Property? | <input type="checkbox"/> Yes <input type="checkbox"/> No | On Neighboring Property? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown | | |

Location: ☐ In Well ☐ In Basement ☐ In Pit/Alcove ☐ In Crawl Space ☐ In Building ☐ In Pumphouse

| Pump Name & Type | Age | Pipe Material in Well | Method of Discharge | Cross Connections? |
|------------------|-----|-----------------------|---------------------|--------------------|
|------------------|-----|-----------------------|---------------------|--------------------|

| | | | |
|-----------------------|----------|------------------------------------|-------------------------------|
| Pump Installer's Name | Amp Draw | Pipe Material Before Pressure Tank | Water Quality Characteristics |
|-----------------------|----------|------------------------------------|-------------------------------|

| | | | | |
|--|------------|----------|---|---------------------------|
| Pumped At GPM _____ for _____ Hours | Horsepower | Cap Type | Vermin Proof? <input type="checkbox"/> Yes <input type="checkbox"/> No | Water Treatment Equipment |
|--|------------|----------|---|---------------------------|

| | | | | |
|---------------------------|---------|--|--|----------------|
| Pressure Tank Type & Size | Voltage | Wires Enclosed <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input type="checkbox"/> No | Where Sampled? |
| | | | Bacti Sample Taken <input type="checkbox"/> Yes <input type="checkbox"/> No | |

| | | | |
|---|--|--|---|
| Water System Working Correctly? <input type="checkbox"/> Yes <input type="checkbox"/> No | Visible Portions Comply With ch. NR 812 In Effect At Time Of Installation? <input type="checkbox"/> Yes <input type="checkbox"/> No | Well Abandonment Needed? <input type="checkbox"/> Yes <input type="checkbox"/> No | Variance Exists? <input type="checkbox"/> Yes (Describe) <input type="checkbox"/> No <input type="checkbox"/> Not Needed |
|---|--|--|---|

The information on this form lists facts and conditions of the visible portions of the well and pressure system at the time of inspection and does not imply or give any kind of guarantee. It is a statement of the opinion of the inspector regarding the compliance and operation of the system at the time of inspection.

Comments or Repairs Needed:

Inspector's Signature

Phone Number

DNR License Number

Date Signed _____

If a well and pressure system complies with the code in effect at the time it was installed, generally no upgrading is necessary. However, because the current code reflects the latest knowledge concerning drinking water safety, the inspector is encouraged to note items which do not meet the current code and the owner is encouraged to upgrade their system to the current code requirements.

If a well and pressure system does not comply with the code in effect at the time it was installed, it must be upgraded to the standards for new installations.

This sheet summarizes major code requirements and when they became effective. For more information, the inspector should refer to the Existing Installation section of the October 1, 1994 code edition or the code in effect at the time of installation.

COMMONLY ENCOUNTERED WELL & PUMP CODE (ch. NR 812) VIOLATIONS

Unprotected Buried Suction Line
Noncomplying Pit or Alcove (Sub-surface pumproom)
Basement Well Location
Stovepipe Casing
Unsanitary Dug Well
Poor Casing Condition
Shallow Casing Depth
Well Subject to Flooding
Unabandoned or Improperly Abandoned Well
Water Tests Bacti Unsafe
Well Too Close to Contaminant Source
Well Located in Floodway/Floodplain
Well Directly Downslope From Contam. Source
Casing Height Too Low
Nonpressure Conduit*
Noncomplying Seal or Cap
Yard Hydrant (Improperly Installed)
Substandard Pump & Supply Piping
Noncomplying Pitless Adapter or Unit
Noncomplying Check Valve Location
Noncomplying Sampling Faucet or Location

*Prior to 1991, nonpressure conduits were only allowed for wells serving 3 or fewer private residences. After February 1, 1991, they were not allowed for any new installation.

PITS AND SUBSURFACE PUMPROOMS

The construction of a new pit, be it for a pump, pressure tank or a well, was banned by the 1953 well construction/pump installation code unless it had written approval and met stringent standards. Pits are subject to flooding and are a sanitary hazard to a well and water system. See NR 812.36 for new pit approval requirements.

Pits constructed prior to April 10, 1953, must meet NR 812.42(2), summarized below:

1. Reinforced water-tight poured concrete construction. If pit is continuously dry and free of cracks, walls may be concrete block.
2. Poured concrete floor and the junction between walls and floor is watertight.
3. The roof or deck is at or above ground surface.
4. Access is provided through a manhole opening with a 4-inch raised curbing or a cast iron manhole frame and cover with gasket.
5. Casing height is at least 6 inches above floor.
6. Water does not enter through the floor, walls or roof.
7. The water is continuously bacteriologically safe.

It is not permissible to upgrade a cracked pit, a pit with roof below grade, a pit with evidence of water or a pit with an earthen floor.

Note: Subsurface pumproom pits (alcoves) have some different requirements.

To abandon a pit, extend casing 12 inches above grade, perforate or remove one wall and perforate floor if it's concrete, and fill pit with clean native compacted soil. Subsurface pump rooms attached to a basement need not be filled under most circumstances.

A PARTIAL LIST OF CONTAMINATION SOURCES REQUIRING A SEPARATION DISTANCE FROM A WELL

| Distance (ft) | Source | Date |
|---------------|---|-------|
| 2 | Building Overhang | 1936 |
| 8 | Building Drain/Cast Iron or Plastic | 1936 |
| 8 | Building Sewer/Cast Iron or Plastic | 1936 |
| 8 | Clearwater Sump/Watertight | 1991 |
| 8 | Contaminant Source Not In Code | 1991 |
| 8 | Downspout/Yard Hydrant | 1951 |
| 8 | Foundation Drain to Clearwater | 1951 |
| 8 | Foundation Drain to Sewer | 1951 |
| 8 | Noncomplying Pit | 1975 |
| 25 | Wastewater Sump/Cast Iron | 1991* |
| 25 | Barn Gutter | 1975 |
| 25 | Building Drain/Other Material | 1975 |
| 25 | Building Sewer/Other Material | 1936 |
| 25 | Building Sewer/Pressure | 1975* |
| 25 | Buried Home Heating Oil Tank | 1975 |
| 25 | Manure Pipe/Gravity/ Cast Iron or Plastic | 1991* |
| 25 | Manure Pipe/Pressure/ Cast Iron or Plastic | 1981* |
| 25 | Paved Animal Barn Pen | 1975 |
| 25 | Septic or Holding Tank | 1951 |
| 25 | Shoreline/Swimming Pool | 1975 |
| 50 | Animal Yard or Shelter | 1975 |
| 50 | Collector Storm or Sanitary Sewer | 1975 |
| 50 | Manure Pipe/Pressure/Other Material | 1975* |
| 50 | Privy | 1951 |
| 50 | Sewage Absorption Unit | 1951 |
| 50 | Silo With Pit | 1975 |
| 50 | Silo Without Pit | 1991* |
| 100 | Buried Petroleum Tank | 1975 |
| 250 | Permanent Manure Stack | 1991* |
| 1200 | Landfill | 1975 |

*Earlier distances were less stringent. Check the well code.

There are additional contamination sources with separation distances in the well code. See ch. NR 812.

WELL ABANDONMENT

Wells that are unsafe, unused or noncomplying must be properly abandoned according to ch. NR 812. DNR recommends that you hire a licensed well driller or pump installer to do this work. For more information on well abandonment, call a licensed well driller or pump installer; or if necessary, call the Department of Natural Resources.

WATER TREATMENT

For information on water treatment contact the Department of Natural Resources.

BASEMENT WELLS

Basement wells were banned by the well code in 1953. They are subject to flooding, a sanitary hazard and a threat to groundwater. Basement wells are not needed because pitless adapters/units provide for an underground water line connection below frost level from the well to the basement.

Wells are allowed in walkout basements if you can walk outside without walking upstairs or uphill.

A basement well is noncomplying if:

- It was installed in the basement before April 10, 1953 and:
 1. It was installed too close to a contamination source or a contamination source was later installed too close to the well; or
 2. The well has less than 25 feet of pipe for a driven point well, less than 10 feet of pipe into bedrock for a sandstone well, or is not cased through unbroken bedrock for a limestone well;
 3. The condition of the basement or well is unsanitary; or
 4. The well produces bacteriologically unsafe water after three reasonable attempts at chlorination;
 5. The well poses a threat to groundwater or to any home's water supply.
- It was installed in the basement on or after April 10, 1953 and formerly used as a potable well. The owner is responsible to prove the well's age.
- It was installed in a basement before February 1, 1991 for nonpotable use and is a threat to groundwater quality.
- It was installed in the basement on or after February 1, 1991, for any purpose.
- It was installed in a walkout basement in poor condition or the well produces unsafe water.

Screens may not be replaced on driven point wells. When a screen needs replacement, the driven point well must be permanently abandoned.

For more basement well information contact the Department of Natural Resources.

VARIANCES

A variance is a special DNR approval that allows an owner to continue use of a water system when strict compliance with the code is not feasible. Comparable sanitary protection must be provided.

There must be good justification for issuing a variance (e.g., there is no other feasible location for the well on the property). Variance requests must be signed by the owner of the property.

WATER TESTING

For information on water testing, contact the Department of Natural Resources.